LED Matrix 25X10W BLINDER light

USER MANUAL

Ver1.0

2	**7**	**12**	**17**	**22**
1	**6**	**11**	**16**	**21**

5.Technical Specifications

Input Voltage	AC100V -240V, 50Hz/60Hz
Lamp resource	25x10W RGBW 4 in 1 Cree LED
Control model	Auto,sound,DMX512 signal
Max temperature	104°F(40°C)
Side size	575x575x90mm
N.W	14.5kg

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1. Before you operating

1.1 Packing list

Product name	quantity
LED Matrix Light	1 pcs
Power cable	1pcs
User manual	1pcs

1.2 Unpacking instructions

When you get this product, please take it from carton carefully to make sure whether all the accessories are in and damaged or not
When you find that there are any parts or wrong sign with the carton, or non-operation, please inform us and to keep the carton and shipping bill completely.

1.3 AC Power

Please check the manual book before you operate the light. The rating current of the light listed which shows the average current-consume under the normal circumstances.
All the lights must be offered shoot-through circuit, it could not be connected dimmer circuit, although the dimmer channels are completely for 1-100% switch.
Before the light's working, please confirm the correct voltage.

Warning! Confirm the voltage to select switch which can be matched the circuit with the light. If it is different from the supply power and light, it will damage the light! All the light must be connected the earth, not all the lights have the switch to be selected.

	31-200 201-225 226-250 251-255	**Strobe-effect with increasing speed Random strobe mode1 with increasing speed Random strobe mode2 with increasing speed Neutral**
3	**0-255**	**Red 0-100%**
4	**0-255**	**Green 0-100%**
5	**0-255**	**Blue 0-100%**
6	**0-255**	**White 0-100%**
7	**0-127 128-255**	**Sound Control No function Sound control**

4.5 LED Rangement:

5	**10**	**15**	**20**	**25**
4	**9**	**14**	**19**	**24**
3	**8**	**13**	**18**	**23**

32	**0-255**	**White(3,8,13,18,23) 0-100%**
33	**0-255**	**Red(4,9,14,19,24) 0-100%**
34	**0-255**	**Green(4,9,14,19,24) 0-100%**
35	**0-255**	**Blue(4,9,14,19,24) 0-100%**
36	**0-255**	**White(4,9,14,19,24) 0-100%**
37	**0-255**	**Red(5,10,15,20,25) 0-100%**
38	**0-255**	**Green(5,10,15,20,25) 0-100%**
39	**0-255**	**Blue(5,10,15,20,25) 0-100%**
40	**0-255**	**White(5,10,15,20,25) 0-100%**

7 DMX channels:

Channel	Value	Function
1	**0-255**	**Dimmer 0-100%**
2	**0-10 11-30**	**Switching the LEDs/Strobe LED OFF Neutral**

1.4 Safety instructions

Please confirm the same voltage to the light.
The light could not be water-proof, it only allow to be used in door. Don't expand the light in wet or rain day, to avoid fire or damaged light.
Please confirm there is no flammable material around the light.
The light must be set up the ventilating place. The distance is ⩾51cm around approach material. To check the air passage is OK at any time.
The Maximum temperature is ⩽40℃(104℉).
When the lights has problems, please stop to use to

Please read these instructions carefully, it includes important information about the light's installation, usage and maintenance of this product.

And contact the supplier. Don't repair it by yourself!
Don't connect by a dimmer.
To confirm the power wire is straight and non-damaged. Don't pull it directly.
Don't look at the bulb when the light is working to avoid any hurt.

2. Introduction

2.1 Features

110/100/40/7 DMX channels.

RGBW 4-in-1 LED light source
life long is 50000-10000 hours.
Variable electronic dimmer(0-100%).
Control mode:Auto,sound,DMX512 mode
Cool: temperature protector

2.2 DMX channel

Note: *When the channel is opening, please confirm the channel 1st is phase-in.

DMX value is referenced by "***4.4 DMX channel values***".

3. Setup

3.1 Fuse replacement

With a flat head screwdriver wedge the fuse hold out of its housing. Remove the damaged fuse from its holder and replace with exact same type fuse. Insert the fuse holder back in its place and reconnect power.

3.2 Fixture linking

When you control the light's master/slave or DMX 512 signal agreement, the lights can be connected by signal wire which the distance is ≤500m,The maximum connect lights are 32pcs more or less, and adapt DMX light pair to segregate the signal zoom equipment, in order to protect the light's signal won't be interrupted by other signal. Moreover, it won't affect by the signal wire's length

Data cabling

Data cable is connected by DMX data wire, and XLR. Please use hi-quality data cable signal wire, it won't be interrupted by magnetic.

Characteristics of DMX data cable

2 conductors' double tree lace and shield.

	0-255	**0-100%**
17	**0-255**	**Red(21,22,23,24,25) 0-100%**
18	**0-255**	**Green(21,22,23,24,25) 0-100%**
19	**0-255**	**Blue(21,22,23,24,25) 0-100%**
20	**0-255**	**White(21,22,23,24,25) 0-100%**
21	**0-255**	**Red(1,6,11,16,21) 0-100%**
22	**0-255**	**Green(1,6,11,16,21) 0-100%**
23	**0-255**	**Blue(1,6,11,16,21) 0-100%**
24	**0-255**	**White(1,6,11,16,21) 0-100%**
25	**0-255**	**Red(2,7,12,17,22) 0-100%**
26	**0-255**	**Green(2,7,12,17,22) 0-100%**
27	**0-255**	**Blue(2,7,12,17,22) 0-100%**
28	**0-255**	**White(2,7,12,17,22) 0-100%**
29	**0-255**	**Red(3,8,13,18,23) 0-100%**
30	**0-255**	**Green(3,8,13,18,23) 0-100%**
31	**0-255**	**Blue(3,8,13,18,23) 0-100%**

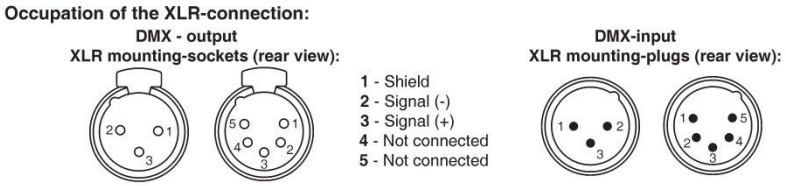
40 DMX channels:

Channel	Value	Function
1	0-255	Red(1,2,3,4,5) 0-100%
2	0-255	Green(1,2,3,4,5) 0-100%
3	0-255	Blue(1,2,3,4,5) 0-100%
4	0-255	White(1,2,3,4,5) 0-100%
5	0-255	Red(6,7,8,9,10) 0-100%
6	0-255	Green(6,7,8,9,10) 0-100%
7	0-255	Blue(6,7,8,9,10) 0-100%
8	0-255	White(6,7,8,9,10) 0-100%
9	0-255	Red(11,12,13,14,15) 0-100%
10	0-255	Green(11,12,13,14,15) 0-100%
11	0-255	Blue(11,12,13,14,15) 0-100%
12	0-255	White(11,12,13,14,15) 0-100%
13	0-255	Red(16,17,18,19,20) 0-100%
14	0-255	Green(16,17,18,19,20) 0-100%
15	0-255	Blue(16,17,18,19,20) 0-100%
16		White(16,17,18,19,20)

The maximum capacitance of the conductors-30 pF/ft.
The maximum capacitance of the conductor and shield -55 pF/ft.
The maximum resistance is 20 ohms/1000ft.
The nominal impedance 100-140 ohms.
DMX opt coupler segregate signal zoom equipment's 3 pin/5 pin XLR plug.

3-Pin to 5-Pin conversion chart

Note! If you use a controller with a 5 pin DMX output connector. you will need to use a 5pin to 3 pin adapter
CHAUVET Model No:DMX5M. Or DMX 5F
The chart below details a proper cable conversion:



3.3 Setting up a DMX signal connect

As following pictures show, please connect the first light to the signal cable which is with XLR by DMX controller, then, connect light in series.

3.4 Master/Slave fixture linking

1.Connect the (male) 3 pin connector side of the DMX cable to the output (female)3pin connector of the first fixture.
2.Connect the end of the cable coming from the first fixture which will have a (female)3 pin connector to the input connector of the next fixture consisting of a (male) 3 pin connector. Then, proceed to connect from the output as stated above to the input of the following fixture and so on.

3.5 installation

The light must be set up the ventilating place. To confirm there is nothing to hinder the heat dissipation place. When the light is hanged, please choose a safety wire.

4. Operating instructions

4.1 Menu configurations

Access control panel functions using the four panel buttons located directly under near the the LCD Display.

Button	Function
MENU	Used to access the menu or return to a previous menu option.
DOWN	Scrolls through menu options in descending order.
UP	Scrolls through menu options in ascending order.
ENTER	Used to select and store the current menu or option within a menu.

	0-255	0-100%
108	0-255	**Green(25)** 0-100%
109	0-255	**Blue(25)** 0-100%
110	0-255	**White(25)** 0-100%

100 DMX channels:

Channel	Value	Function
1	**0-255**	**Red(1) 0-100%**
2	**0-255**	**Green(1) 0-100%**
3	**0-255**	**Blue(1) 0-100%**
4	**0-255**	**White(1) 0-100%**
...	**...**	**... ...**
97	**0-255**	**Green(25) 0-100%**
98	**0-255**	**Green(25) 0-100%**
99	**0-255**	**Blue(25) 0-100%**
100	**0-255**	**White(25) 0-100%**

		100%-0White:0 Red: 0-100% Blue: 100% Green: 0White:0 Red:100% Blue:100% Green:0-100%White:0 Red:100% Blue:100% Green:100%White:100%
4	0-2 3-255	**Auto Mix Color** No function From slow to fast
5	0-2 3-255	**Color Change** No function Color change with increasing speed
6	0-255	**Red(All)** 0-100%
7	0-255	**Green(All)** 0-100%
8	0-255	**Blue(All)** 0-100%
9	0-255	**White(All)** 0-100%
10	0-127 128-255	**Sound Control** No function Sound control
11	0-255	**Red(1)** 0-100%
12	0-255	**Green(1)** 0-100%
13	0-255	**Blue(1)** 0-100%
14	0-255	**White(1)** 0-100%
...	...	**...** ...
107		**Green(25)**

When a menu function is selected, the display will show immediately the first available option for the selected menu function. To select a menu item, press<ENTER>.
Press the <MENU> button repeatedly until you reach the desired menu function. Use the <UP> and <DOWN> buttons to navigate the menu options. Press the <ENTER> button to select the menu function currently displayed, or to enable a menu option. To return to the previous option or menu without changing the value, press the <MENU> button.

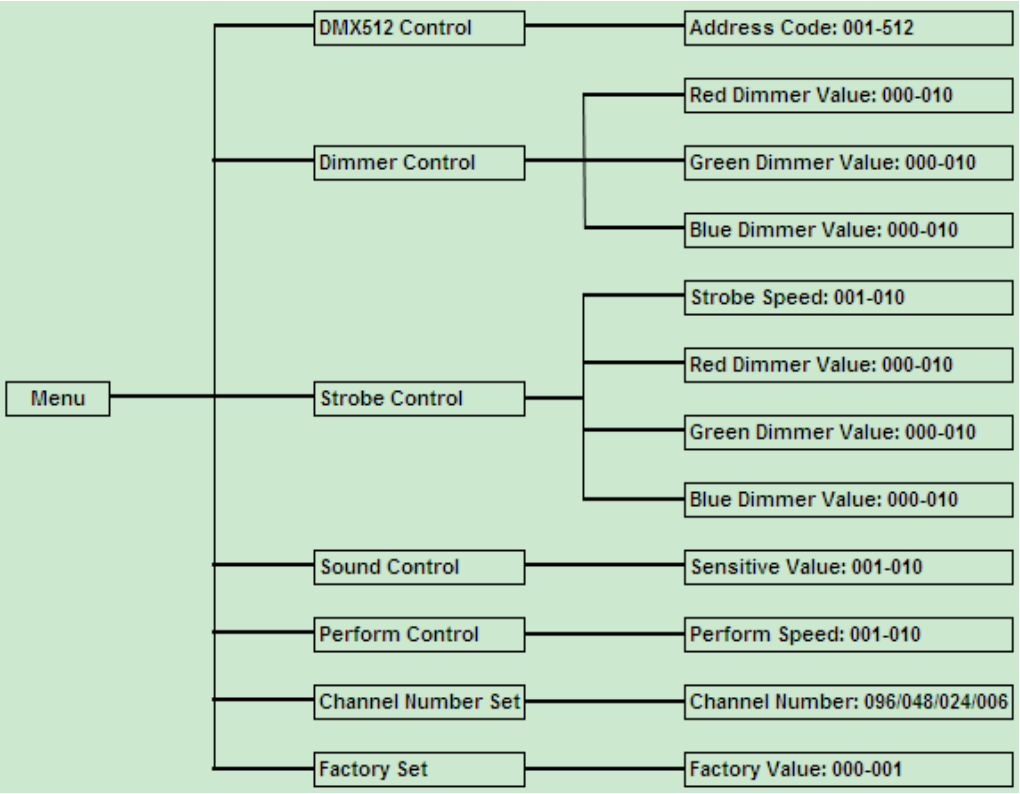
No alternative worth that return re-option or menu, press (MENU) button

4.2Menu function map

4.3 User configurations

Set-up 1pcs light`s menu mode (Auto-running)
.Press the MENU, such as the picture 4.2 shows the menu function
.Use the UP/DOWN buttons to choose the right one to confirm.

Set-up Master-slave mode
Press the MENU, same as picture 4.2 shows the menu function
Master: Set any one of lights to auto、 sound or strobe control mode



Slave: Set them to DMX mode and their address code to1.
Notes： Each Master-slave group can be one and only light in master, ensure lights under this group without connection with any DMX controller.

Set-up *DMX mode*
The light can connect to the DMX controller to receive its signal indication, which control by DMX controller. DMX value is referenced by "***4.4 DMX channel values".***

4.4 DMX channel values

110 DMX channels:

Channel	Value	Function
1	0-255	**Dimmer** 0-100%
2	**0-10** **11-30** **31-200** **201-225** **226-250** **251-255**	**Switching the LEDs/Strobe** **LED OFF** **Neutral** **Strobe-effect with increasing speed** **Random strobe mode1 with increasing speed** **Random strobe mode2 with increasing speed** **Neutral**
3	0-2 3-41 42-83 84-125 126-167 168-209 210-251 252-255	**Mix Color** No function Red: 100% Blue: 0 Green:0-100%White:0 Red: 100%-0 Blue: 0 Green:100%White:0 Red: 0 Blue:0-100% Green:100%White:0 Red: 0 Blue: 100% Green: